

CR-142312

Organization:

Remote Sensing Institute
South Dakota State University
Brookings, South Dakota 57006

Title:

Monthly Report to National
Aeronautics and Space
Administration

Report Type:

Monthly Progress Report
February 1975

EREP Investigation Number:

S452

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NASA Contract Number:

NAS 9-13337

Principal Investigator:

Victor I. Myers

Date Submitted:

March 20, 1975

NASA Technical Monitor:

Clayton Forbes
Operations Room
Code TF6
Johnson Space Center
Houston, Texas 77058

(E75-10184): DEVELOP TECHNIQUES AND
PROCEDURES, USING MULTISPECTRAL SYSTEMS, TO
IDENTIFY FROM REMOTELY SENSED DATA THE
PHYSICAL AND THERMAL CHARACTERISTICS OF
PLANTS AND SOIL. Monthly Progress (South:

N75-20787

Unclas

G3/43 00184

3.0 Report of work as identified in Ex. A (SOW) --- Contract NAS 9-13337

3.1 Progress Reports

a. Overall status ---

The S-192 data are being evaluated to determine the approximate methods for reduction and channels for estimating net radiation and surface emittance. Averages within seven different fields representing variations in land use and soil moisture differences are being computed from the S-192 data. These will be evaluated against ground measurements of surface emittance and net radiation.

b. Recommendations ---

None at this time.

c. Expected accomplishments ---

A paper will be prepared for the Houston Conference in June, 1975.

d. A readily.....results.....

None at this time.

e. Summary outlook ---

The ground-based ET assessments were conducted for seven different physical settings. The analysis will include a multistage approach for assessing ET of agricultural land.

f. Travel summary ---

None expected.